MASTER OF SCIENCE IN APPLIED AI AND BUSINESS ANALYTICS

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The Master of Science in Applied AI and Business Analytics program is designed to develop the skills to extract, analyze, interpret and present data for business decision-making. These skills are critical to decision-making in every sector of industry, government and nonprofit organizations. The program utilizes artificial intelligence techniques and emphasizes analytical and statistical tools that enable graduates to use sophisticated means to mine, analyze, evaluate and present data in a variety of organizational environments.

MS in Applied AI and Business Analytics Program of Study

Code	Title	Credits
Required Core Courses		
BAN 610	Statistical Foundations for Applied AI And Business Analytics	3
BAN 615	Predictive Business Analytics	3
BAN 621	Data Management	3
BAN 628	Data Mining for Competitive Advantage	3
BAN 650	Data Visualization for Managers	3
BAN 668	Python Programming for Data Analysis	3
BAN 674	Generative AI Applications in Business	3
Elective Courses		
Select four of the following: [1]		12
BAN 629	Text Analytics	
BAN 660	Optimization	
BAN 663	Business Data Analytics with R	
BAN 667	Design and Analysis of Business Information Systems	
BAN 669	Project Management	
BAN 671	Fundamentals of Blockchain Technology	
BAN 672	Applied Business Analytics W Advance Exc	
BAN 673	AI and Analytics in Healthcare	
MBA 630	Business Data Analytics	
Total Credits		**33**

[1] Additional elective business courses are available to students at the discretion of the program director.

Concentrations (three of four elective courses)

Concentration in Marketing

Code	Title	Credits
Take the following three electives		
MBA 645	Marketing Decision Making	
MK 619	Marketing Analytics	
Take one 600-level MK course		

MBA 645 is a prerequisite for all 600-level MK courses

Concentration in Healthcare Analytics

Code	Title	Credits
Take the following three electives		
BAN 673	AI and Analytics in Healthcare	
HM 600	Foundations of Healthcare Management	
Take one other 600-level HM or BAN elective		

Concentration in Finance

Code	Title	Credits
Take the following three electives		
BAN 660	Optimization	
MBA 640	Financial Decision Making	
or FIN 610	Investment and Portfolio Analysis I	
Take one other 600-level FIN or BAN 671 elective		

Concentration in Supply Chain

Code	Title	Credits
Take the following three electives		
BAN 660	Optimization	
MG 643	Strategic Sourcing and Supply Management	
IB 623	International Business Negotiation	

Student Learning Outcomes

Upon completion of the MS in Applied AI and Business Analytics program, students will demonstrate the following competencies:

1. **Data Analysis**: Evaluate different techniques used to analyze data.
2. **Data Management**: Explain how data is stored, accessed and retrieved.
3. **Analytical Reasoning**: Apply business analytics techniques and utilize analytical tools for organizational decision-making.
4. **Critical Thinking**: Demonstrate skills in interpreting and presenting analytical results.

Master of Science in Applied AI and Business Analytics

Accelerated Dual-Degree BS/MS in Applied AI and Business Analytics (3+1) (http://catalog.qu.edu/graduate-studies/business/business-applied-ai-business-analytics-ms/accelerated-dual-degree-bs-ms/)

Dual-Degree BS/MS or BA/MS in Applied AI and Business Analytics (4+1) (http://catalog.qu.edu/graduate-studies/business/business-applied-ai-business-analytics-ms/dual-degree-bs-ms/)

Accelerated Dual-Degree BS in Economics/MS in Applied AI and Business Analytics (3+1) (http://catalog.qu.edu/arts-sciences/economics/economics-31-bs-msba/)

Admission

To be admitted to the program, an applicant must have completed an undergraduate degree program with a GPA of at least 3.00. Work experience and recommendations also are strongly considered in the admission process. Standardized test scores (such as GMAT or GRE) submitted by the students in support of the application also are considered, but are not required.

In addition, applicants to the MS in Applied AI and Business Analytics program must possess an undergraduate major, graduate degree or other significant coursework in a quantitatively oriented area, including but not limited to accounting, actuarial science, business analytics, computer information systems, computer science, economics, engineering, finance, mathematics, operations management, statistics or the natural sciences.

A complete application consists of the following:

1. Program application (submitted online). Go to Quinnipiac's Graduate Admissions (http://www.qu.edu/gradhowtoapply/) webpage.
2. Official transcripts of all undergraduate and graduate work completed.
3. Personal statement.
4. One letter of recommendation from a professional contact.
5. Updated resume.
6. $45 application fee.

International Applicants:

Prospective international students must submit certified translations of official transcripts prepared by World Education Services (http://www.wes.org/) (WES) or another acceptable organization that is approved by Quinnipiac for this purpose.

All applicants from non-English speaking countries must indicate that they have the language capability to understand business instruction in English and must provide official Test of English as a Foreign Language (TOEFL) scores. In general, a minimum TOEFL Internet-based score of 90 is required for admission (or 233 for computer-based, or 575 for paper-based).

In lieu of TOEFL, applicants may submit International English Language Testing System (IELTS) scores. A minimum score of 6.5 on this exam, a B or above on the Certificate of Advanced English or a C or above on the Certificate of Proficiency in English is required. TOEFL and IELTS scores are valid for two years.

International applicants are required to submit proof of adequate funds to complete their study at Quinnipiac University before an eligibility form (I-20) can be issued. Complete the Statement of Financial Support and submit along with supporting documentation. In addition, a copy of a passport or national ID is required. The Statement of Financial Support (https://www.qu.edu/48f6e4/globalassets/global/media/qu/documents/paying-for-college/undergraduate/international-student-financial-support-form.pdf) can be found on the Admissions webpage (https://www.qu.edu/admissions/graduate/apply/international/).